APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

An Experimental Investigation of the Methods of Measurements of Liquid Precipitation, by A. E. Konstantinov & A. A. Kiselenko, 23 pp. RUSSIAN, per. Trudy Ukraine Hydromet Inst, No 41, 1964, pp 163-185.
*CSFTI TT 68-50432

Sci/Atmos Sci
Feb 68

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

INVESTIGATION OF FEATURES OF THE INFLUENCE OF DYNAMIC AND THERMAL FACTORS ON CHANGE OF PRESSURE AND ON VERTICAL MOTION, BY A. I. ROMOV.

RUSSIAN, PER, TRUDY UKRAIN NAUCH ISSLED GIDROMET INST, NO 11, 1959, PP 93-142.

NLL M. 3750

SCI - PHYS

214,167

OCT 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

The Influence of Local Conditions on the Formation of Fogs, by I. V. Koshelenko.

RUSSIAN, per, Trudy Ukrainskiy Nauchno-Issledov Gidrometeorologicheskiy Inst, Leningrad, Vol XXI, 1960, pp 3-15.

Weather Bureau

Sci -
Sep 61

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Koshelinko, I. V.
AN OUTLINE OF THE FORMATION OF LOW CLOUDS AND FOG OWING TO RADIATIONAL COOLING (Skema Obrazovaniya Nizkikh i Tumanov pod Vliyaniem Radiatsionnogo Okhlazhdeniya) tr. by Irene A. Donehoo. Nov 61 [10]p. 5 refs.
Order from OTS or SLA $1.10 62-13911

Trans. of Ukrainskii Nauchno-Issledovatel'skii [Gidro-Meteorologicheskii] Institut. Trudy (USSR) 1960, v. 21, p. 16-2[illegible].

DESCRIPTORS: *Clouds, *Fog, Weather forecasting, Moisture, Turbulence, Intensity, Cooling, *Air mass analysis, *Stratus clouds.

It is shown that in the absence of warm advection and moisture and with intensity of turbulence, which does
(Earth Sciences--Meteorology, TT, v. 7, no. 11; (over)

62-13911

1. Title: Radiative cooling
I. Koshelenko, I. V.
II. Weather Bureau, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

ON THE METHOD OF SHORT-PERIOD FORECASTING OF GLAZED ICE, BY N. M. VOLEVAKH.

RUSSIAN, PER, TRUDY UKRAIN NAUCH-ISSLED GIDROMETEOROL INST, VOL XXI, 1960, PP 38-49.

NLL M. 3821

SCI - GEOPHYS

OCT 62

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Freezing Peculiarities of Supercooled Water
Drops, by V. M. Mucnik
M'SRIAM, per, Tr. Ukr. n-i Gidromet. Inst,
No 26, 1961, pp 64-73.
MIL Ref: 9022.55 (F.170)

Sol-Propulsion & Fuels
Aug 68 362,144

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Processes of the cooling and freezing of water drops, by V. M. Mucnik, Yu. S. Rud'ko,
RUSSIAN, per, Tr. Ukr. nauch-issled gidromet. inst., Vol 31, 1961/62, pp 133-144
NLL 5828.4F (5919)

323,907

Sci - Meteor, Cli
Apr 67

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Intensification of Precipitation Over a Wae Weather Experiment Range in the Winter of 1963-1964, by M. P. Leonov and T. D. Nerobaeva,
RUSSIAN, per, Trudy Ukrainskii Nauchno-Issledovatel'skii Gidrometeorologicheskiy Institut, N: 47, 1962, pp 5-20. 100097066
AFCRL T-R-507

Sci-
Sept 66 310,586

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Experience in Analysis of a Wind Velocity Hodograph in the Boundary Layer of the Atmosphere, by A. V. Tkachenko.
RUSSIAN, per, Trudy, Ukr. N.-I. Gidro-Meteorol. In-Ta., Vol 31, 1962, pp 48-53.
*FTD-TT-65-2022

USSR
Sci/Earth Sci
Jan 66

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Romanenko, V. A.
INVESTIGATIONS OF SNOWMELT LOSSES
D. B. Krimgold, tr. Nov 63, 9p 40refs
Order from AGU $7.50 in Soviet Hydrology: Selected Papers, 1963, no. 1 (p. 35-43)

Trans. of [Ukrainskii Nauchno-Issledovatel'skii Gidro-Meteorologicheskii Institut. Trudy (USSR) 1963, v. 39. p. 3-13.

DESCRIPTORS: *Snow, Melting, Drainage, Soils, Freezing, Volume, Numerical analysis, *Hydrology,

The article outlines methods of computation of snowmelt losses as a function of the moisture content and depth of freezing of the soil and of water stored on the surface of the basin. (Author)

(Earth Sciences, TT, v. 11, no. 7)

TT-64-12443-1 (p. 35-43)

I. Romanenko, V. A.
II. American Geophysical Union, Washington, D. C.
III. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Romanenko, V. A.
COMUPTATION AND FORECAST OF THE VOLUME OF SPRING HIGH WATER OF SMALL RIVERS OF THE UKRAINE BASED ON THE GENERAL REGIONAL RELATIONSHIPS
D. B. Krimgold, tr. Nov 63, 13p 13refs
Order from AGU $7.50 in Soviet Hydrology: Selected Papers, 1963, no. 1 (p. 44-56)

Trans. of [Ukrainskii Nauchno-Issledovatel'skii Gidro-Meteorologicheskii Institut. Trudy] (USSR) 1963, v. 39, p. 14-29.

DESCRIPTORS: *Rivers, *Drainage, Snow, Melting, Volume, Equations, Mathematical prediction, *Hydrology.

This article outlines a method of computing and forecasting the volume of spring high water of small rivers of the Ukraine with regional relationships which take
(Earth Sciences, TT, v. 11, no. 7) (over)

TT-64-12443-1 (p. 44-56)

I. Romanenko, V. A.
II. American Geophysical Union, Washington, D. C.
III. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Lalykin, N. V.
COMPUTATIONS OF MAXIMUM DISCHARGE OF INTENSE RAINFALL FLOODS ON THE CARPATHIAN AND PRICARPATHIAN RIVERS
D. B. Krimgold, tr. Nov 63, 8p 9refs
Order from AGU $7.50 in Soviet Hydrology: Selected Papers, 1963, no. 1 (p. 56-63)

Trans. of [Ukrainskii Nauchno-Issledovatel'skii Gidrometeorologicheskii Institut. Trudy] (USSR) 1963, v. 39, p. 54-62.

DESCRIPTORS: *Rivers, *Floods, *Drainage, Rainfall, Volume, Equations, Numerical analysis, Hydrology.

(Earth Sciences, TT, v. 11, no. 7)

TT-64-12443-1 (p. 56-63)

I. Lalykin, N. V.
II. American Geophysical Union, Washington, D. C.
III. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Konstantinov, A. R.
REGIME OF EVAPORATION FROM THE SURFACE OF PONDS AND RESERVOIRS
Lloyd G. Robbins, tr. Nov 63, 10p 34refs
Order from AGU $7.50 in Soviet Hydrology: Selected Papers, 1963, no. 1 (p. 76-85)

Trans. of [Ukrainskii Nauchno-Issledovatel'skii Gidro-Meteorologicheskii Institut. Trudy] (USSR) 1963, v. 39, p. 78-89. (Abstract available)

DESCRIPTORS: *Evaporation, Surface areas, Lakes, Dams, Periodic variations, Measurement, Meteorology.

The article examines the diurnal and seasonal pattern of the evaporation from the surface of water bodies having various sizes, the dependence of evaporation intensity on a reservoir's area, the suitability of vari-
(Earth Sciences--Meteorology, TT, v. 11, no. 7)(over)

TT-64-12443-1 (p. 76-85)

I. Konstantinov, A. R.
II. American Geophysical Union, Washington, D. C.
III. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Results of an Experimental Investigation of the Structural Characteristics of Air Flow in the Surface Boundary Layer of the Atmosphere, by N. M. Galadzhiy.
RUSSIAN, per, Trudy Ukrainskiy Nauchno-Issledovatel'skiy Gidrometeorologicheskiy Institut, No 41, 1964, pp 87-94.
AFTD-TT-65-2036

Sci-E,Sci
Jan 66

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Relation Between Transpiration and the Spectral Composition of Radiation, by A. R. Konstantinov, N. I. Gotsa, et al. 9 pp.
RUSSIAN, per, Trudy Ukrainskogo Nauchno-Issledovatel'skogo Gidrometeorologicheskogo Instituta, No 41, 1964, pp 126-134.
CFSTI TT 68-50435

Sci. b and n
Sept 69 389,824

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

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On Determining the Potential Evapotranspiration (The Maximum Possible Evapotranspiration) From Agricultural Fields, by A. R. Konstantinov, R. N. Oleinik. 15 pp.
RUSSIAN, per, Trudy Ukrainskogo Nauchno-Issledovatel'skogo Gidrometeorologicheskogo Instituta No 41, 1964, pp 135-162.
CSTI TT 68-50433

sci/ agric
sept 69 389,825

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Experimental Study of Methods for Measuring Liquid Precipitation, by A. R. Konstantinov, A. A. Kisilenko, et al. 23 pp.
RUSSIAN, per, Trudy Ukrainskogo Nauchno-Issledovatel'skogo Gidrometeorologicheskogo Instituta No 41, 1964, pp 162-185.
CFSTI TT 68-50432

sci/earth sci
sept 69 389,826

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Excretory Function of the Stomach of the Pig and Changes During Invasion by Ascaridae, by M. S. Krilanov.
RUSSIAN, per, Trudy Ukrainskogo Obshchestva Parazit, Vol 1, 1961, pp 86-93.
NLL/RTS 2846 20s Od.

Sci -
Aug 67

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Construction of a Set of Systems of Differential Equations Describing Stable Motion by a Given Procedure, by I. A. Mukhamedzyanov, 5 pp.
RUSSIAN, per. Trudy Universiteta Druzhby Narodov imeni Patrisa Lumumby, Vol I, No 1, 1963, pp 52-55. 9597876
FTD TT-65-341

Sci
Math & Data Proc

288,525

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Analytical Construction of the Guidance Systems of Rockets, by A. S. Galiullin, 10 pp.
RUSSIAN, per, Trudy Univer Druzhby Narodov, Vol V, No I, 1963, pp 56-63.
9699101
FTD-TT-65-839

Sci - Aero
Meb 66

294,735

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

A Problem of Optimum Motion of Ballistic Rockets, by A. S. Galiullin.
RUSSIAN, per, Trudy. Moscow. Universitet Druzhby Narodov, Vol 1, No 1, 1963, pp 63-70.
*FTD-TT-65-1918

Sci/Aerospace
Dec 65

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

On the Orientation of Artificial Earth Satellites, by E. F. Fatkhullin, 18 pp. RUSSIAN, per, Trudy Universitota Druzhby Narodov Imeni Patrisa Lumumby, Vol. I, No 1, 1963, pp 71-80. 9698649 FTD-TT-64-756

Sci-Tech Rev 65

291,443

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Some Questions Concerning the Dynamics of a Program Control System With a Reaction Step-by-Step Motor, by Yu. N. Motrokhin. 6 pp. RUSSIAN, per. Trudy Moscow. Universitet Druzhby Narodov, No 2, 1964, pp 90-94. P100011266 FTD-TT-65-2046

Sci/Mathematical Sci
Sep 66

309,337

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

A Numerical Method in a Time Optimal Control Problem, by N. Ye. Kirin, 12 pp. USSR/Al, Universitet. Kafedra Vychislitel'noy Matematiki i Vychislitel'nyy Tsentr. Vestn. Vychisleniy, No 2, 1963, pp 67-74. FTD-TT-65-955

Sci - Math & Data Proc
Oct 65

2090,116

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Processing of Titaniferous Magnetites Based on Reduction of Ores With a Gaseous Reducing Agent at Moderate Temperatures, by K. V. Enopcrn, N. I. Rotkov.

RUSSIAN, per, Trudy Uralgeonin, No 3, 1938, pp 285-293.

Brutcher Tr
No 3298
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Scientific - Minerals/Metals ORE/MEX

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

The Distribution of Dispersed Elements Among the Components of Reservoirs. I. Some General Considerations, by N. V. Timofeyev-Resovskiy.

RUSSIAN, per, Trudy No 12, Ak Nauk SSSR Ural'skiy Filial. Inst Biofiz. Moscow. Sbornik Laboratorii Biofiz, No 2, Problemy Biofiz, No 12, 1960, pp 189-193.

*FTD-TT-62-1314

Sci - Chem, Phys

Sep 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Data on Study of Flora and Vegetation of the Ural.

RUSSIAN, per, Trudy Ak Nauk SSSR, Ural'skiy Filial, Inst Biol, No 1, 1962.

*FTD-TT-63-669

Sci - Biol/Med Sci

Jun 63

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

On the Formal Diffusion of Ag in Several Polycrystalline Metals, by V. I. Arkharov.
RUSSIAN, per, Trudy Akad Nauk SSSR. Ural Filial Inst Fiz Metal, No 11, 1950, pp 81-89.
*CFSTI TT 70-58186

Sci-Chem
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

On the Parameters of Atomic Size in the Theory of Boundary Diffusion in Metals, by V. I. Arkharov.

RUSSIAN, per, Trudy Akad Nauk SSSR, Ural Fil Inst Fiz Mat, No 16, 1955, pp 75-81.

*USDI/ER TT 70-58187

Sci-Phys
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

On the Study of Seismic Effect of Powerful Explosions, by L. A. [illegible]kin.

RUSSIAN, pam, Trudy Ak Nauk Ural Filial, Gorno-Geolog Inst, Vol LIV, pp 125-130.

*AEC

Sci - Phys
Mar 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Guiding Significance of Certain Devonian Corals From the Mid-Course of the River Ai, in Southern Ural, D. D. Bagtyarev.

RUSSIAN, per: Ak Nauk SSSR, Uralskiy Filial, Trudy Gorno-Geologicheskogo Instit No 28, 1957.

Dept of Interior
QE3, E57, No 18

Sci - Geophysics
Oct 60

128,650

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Intensity of γ -Radiation in a Homogeneous Radiating Medium, by G. M. Voskoboinikov, 11 pp.

RUSSIAN, per, Trudy Ak N Nauk SSSR, Uralskiy Filial, Sverdlovsk Gorno-Geologicheskiy Institut, No 30, 1957, pp 162-172.

ATD-57,136R

Gal
Aug 61

163,144

OTS, Vol III, NO 12

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Thermodynamic Analyses of Equilibrium in the Niobium-Oxygen-Carbon System, by G. P. Shveikin,

RUSSIAN, per, Trudy Ak Nauk SSSR, Ural'skii Filial, Sverdlovsk, Inst Khim, No 2, 1958, pp 43-48.

*AEC

Sci + Chem
9 Nov 60

Lwt 45

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Intermediate Niobium Compounds in the Reduction of Niobium Pentoxide by Carbon, by G. P. Shvedkin,

RUSSIAN, Ser, Trudy Ur Nauk SSSR, Ural'skiy Filial, Sx Sverdlovsk Inst Khimy No 2, 1953, pp 51-56.

*AEC

Sci - Chem
9 Nov 50
List 45

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Kinetics of the Reduction of Niobium Pentoxide by Carbon in Vacuum, by G. P. Shveikin,

RUSSIAN, per, Trudy Ak Nauk SSSR, Ural'skiy Filial, Sverdlovsk Inst Khim, No 2, 1958, pp 57-62.

*AEC

Sci - Chem
9 Nov 60

Lwt 45

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Plyusnin, V. G. and Sukhorosova, T. I.
ETHYLATION OF BENZENE. [1963] [26p] 9refs
Order from OTS or SLA $2.60 63-20198

Trans. of Akademiya Nauk SSSR, Ural'skii Filial [Sverdlovsk], Institut Khimii, Trudy, 1960, no. 4, p. 21-32.

DESCRIPTORS: *Benzenes, *Alkylation, *Ethylenes, Ethyl radicals, Chemical reactions, Quantitative analysis.

(Chemistry--Organic, TT, v. 10, no. 11)

63-20198

1. Title: Ethyl benzene
I. Plyusnin, V. G.
II. Sukhorosova, T. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Patrushev, D. A.
SELECTION OF OPTIMUM ELECTRICAL CONDITIONS FOR PHOSPHORUS FURNACE, tr. by Bertha P. Klenova. 27 July 61, 13p. 14 refs. TVA-3930.
Order from OTS or SLA $1.60 62-24459

Trans. of Ural'[s]k[i] Nauch[no]-Issledovatel'[skii] Khim[icheskii] Inst[itut]. Trudy (USSR) 1957, v. 5, p. 252-262.

DESCRIPTORS: Electric furnaces, *Phosphorus, Ores, Reduction, *Rotary furnaces, Coke, Carbon, *Voltage, Particles, Gases, Purification, *Electric filters.

The best indices relating to reduction of ore, specific energy consumption, and capacity coefficient are found in stationary furnaces in which the criterion of the electric field EP, is 6.7 to 9.4, and the geometric parameter is D/D 2.5-2.8. The single rotary phosphorus (Engineering--Chemical, TT, v. 8, no. 12) (over)

62-24459

I. Patrushev, D. A.
II. TVA-3930
III. Tennessee Valley Authority, Wilson Dam, Ala.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Mikulinskii, A. S. and Patrushev, D. A.
A SCHEME SHOWING THE RELATIONS BETWEEN PHYSICOCHEMICAL AND ELECTRIC PROCESSES CONNECTED WITH THE PRODUCTION OF PHOSPHORIC ACID IN ELECTROFURNACES
Bertha P. Klenova, tr. 12 Jul 61 [21p] 18refs [TVA] 3931.
Order from OTS, SLA, cr. ETC $2.60 TT-63-24281

Trans. of Ural'[skii] Nauch[no]-issledovatel'[skii] Khim[icheskii] Inst[itut] Trudy (USSR) 1957, v. 5, p. 269-280. (Abstract available)

DESCRIPTORS: *Phosphoric acids, Production, *Electric furnaces, Operation, Calcium compounds, Oxides, Silicon compounds, Dioxides, Carbon, Slags, Waste gases, *Phosphorus, Reduction.

The following basic parameters and factors of a phosphorus furnace were investigated: properties of the raw (Engineering--Chemical, TT, v. 11, no. 6) (over)

TT-63-24281

I. Mikulinskii, A. S.
II. Patrushev, D. A.
III. TVA-3921
IV. Tennessee Valley Authority, Wilson Dam, Ala.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

Babadzhan, A. A.
DEPENDENCE OF THE VAPOR TENSION OF MoO_3 ON THE TEMPERATURE. [1963] 8p (figs omitted) 4refs
Order from OTS or SLA $1.10 63-20294

Trans. of [Akademiya Nauk SSSR. Ural'skii Filial. Sverdlovsk. Institut Metallurgii. Trudy] 1957, no. 1 [p. 74-79].

DESCRIPTORS: *Molybdenum compounds, Oxides, *Vaporization, Temperature, Phase studies, Sublimation.

The dependence of the vapor tension of $Mo O_3$ on the temperature was established by investigation. The vapor tension values of $Mo O_3$ obtained under such circumstances were approximately three times as great as the values found by Faiser. On the basis of equility (Metallurgy--Nonferrous Metals, TT, v. 10, no. 10)
(over)

63-20294

1. Babadzhan, A. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

The Use of Oxygen in Non-Ferrous Metallurgy,
by N.P. Mlyev.

RUSSIAN, per, Trudy Ak Nauk SSSR, Uralsky Filial, Inst Inst Metal, No 2, 1958, pp 149-168.

Primary Sources
CR-2702

Sci - Chem
Jul 61

159 487

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100078-1

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Chermak, L. L. and Diev, N. P.
IMPROVEMENTS IN EXTRACTION METHODS FOR COBALT FROM CONVERTER AND WASTE SLAGS IN THE NICKEL INDUSTRY (Puti Usovershenstvovaniya Sposobov Izvlecheniya Kobal'ta iz Konverternykh i Otval'nykh Shlakov Nikelevoi Promyshlennosti). Aug 61 [21]p. 23 refs. RTS 1855.
Order from OTS or SLA $2.60 61-27787

Trans. of Akademiya Nauk SSSR, Ural'skii Filial [Sverdlovsk]. Institut Metallurgii, Trudy, 1958, no. 2, p. 169-180.

DESCRIPTORS: *Slags, Processing, *Cobalt, *Nickel, Separation.

The chief principles are set out and a description is given of a method of extracting cobalt from liquid converter slags into a matte, as introduced at the Yuzhuralnikel Combine.

61-27787

I. Chermak, L. L.
II. Diev, N. P.
III. RTS-1855
IV. Department of Scientific and Industrial Research (Gt. Brit.)

1371

(Metallurgy, TT, v. 6, no. 10)

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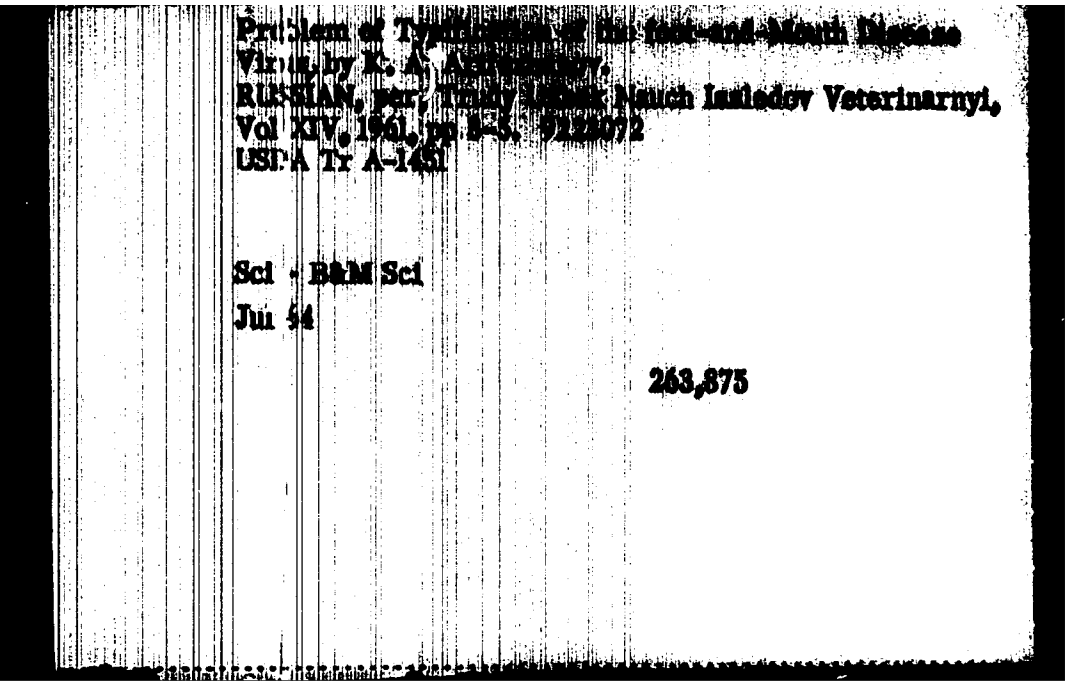

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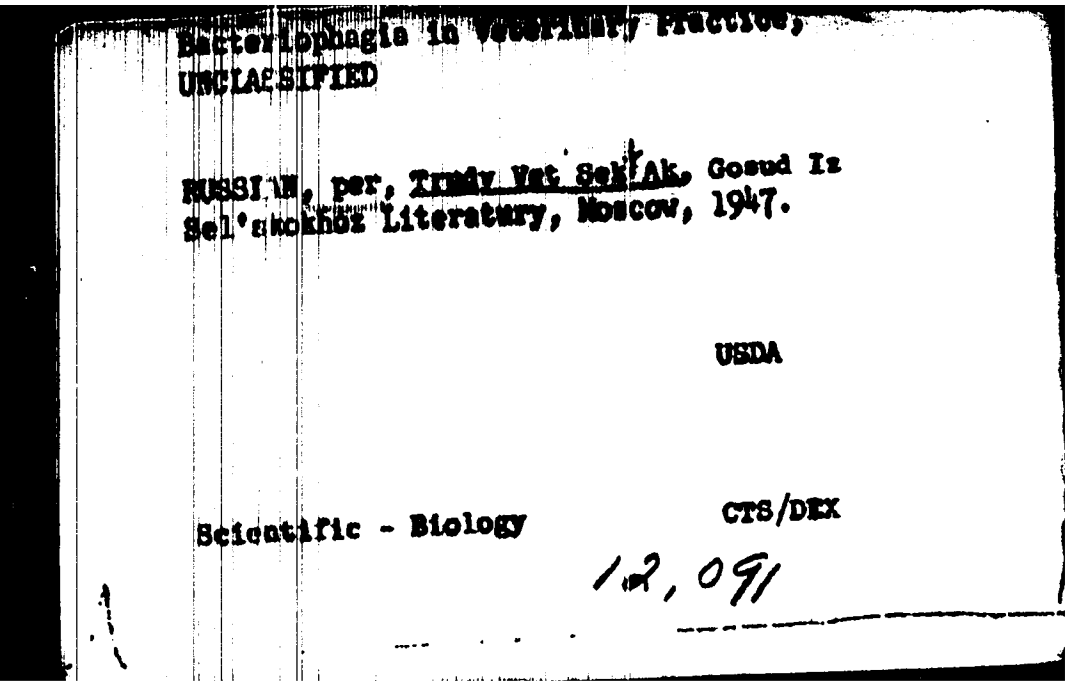

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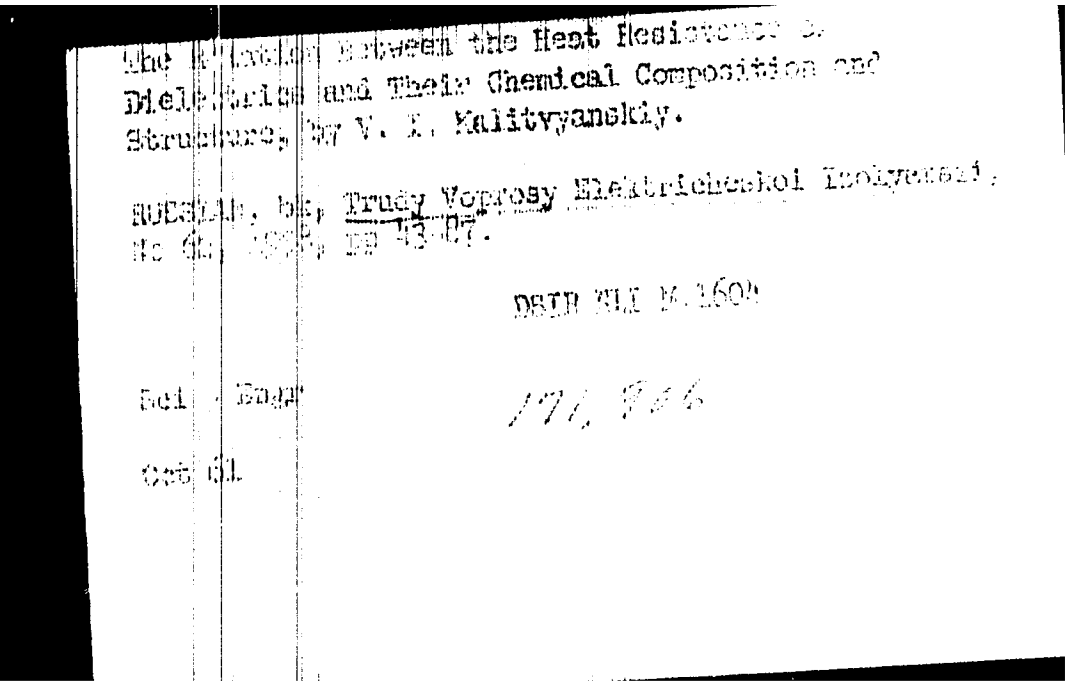

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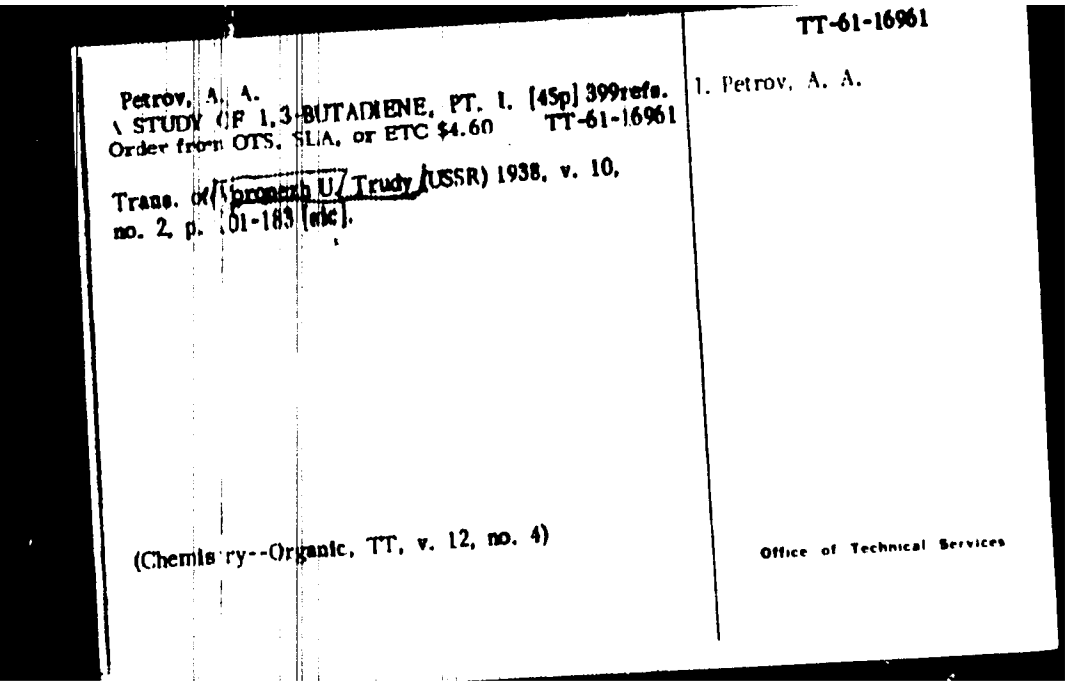

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